

Postdoctoral call - Juan de la Cierva

Bionanoparticles (Virus like particles and Extracellular vesicles)

We are looking for a highly motivated researcher, eligible for the Juan de la Cierva program- Formación (2-year postdoc position) or –Incorporación (3-year postdoc position), to perform studies on the development of bionanoparticles for prevention and control of livestock viral diseases.

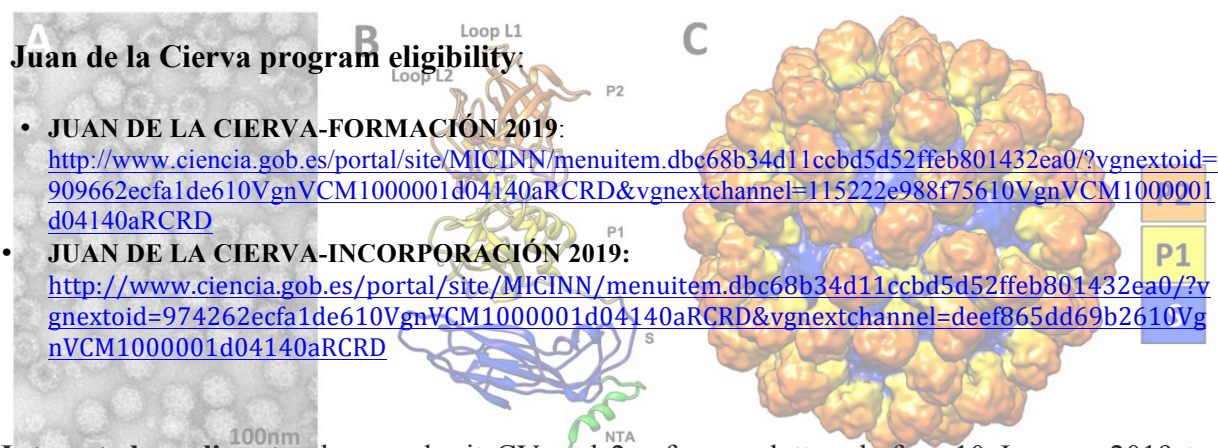
Place of employment: National Institute for Agriculture and Food Research and Technology, INIA (Madrid, Spain). The physical workplaces are Animal Reproduction Department and Animal Health Research Center (CISA).

Our research: We are undertaking a multi-disciplinary approach including i) the use of chimeric virus-like particles (VLPs) derived from calicivirus that incorporate foreign immunogenic epitopes and ii) the use of mesenchymal cells (MSC) of relevant livestock species (swine and cattle) and the extracellular vesicles (EVs) that are derived from them, as diagnostic tools and potential antiviral and immunomodulatory compounds. Pathogens of particular interest for this project include Foot-and-Mouth disease virus and Rabbit Hemorrhagic disease virus.

Calle.A et al., *Stem Cell Res Ther* **10**, 239 (2019); Lopera-Vasquez, R et al., *PLoS One* **11**, e0148083 (2016) (Among the top 10% most cited PLOS ONE authors of 2016); Moreno et al., *Sci Rep.* 2016 Aug 23; 6:31844.

Juan de la Cierva program eligibility:

- **JUAN DE LA CIERVA-FORMACIÓN 2019:**
<http://www.ciencia.gob.es/portal/site/MICINN/menuitem.dbc68b34d11ccb5d52ffeb801432ea0/?vgnextoid=909662ecfa1de610VgnVCM1000001d04140aRCRD&vgnnextchannel=115222e988f75610VgnVCM1000001d04140aRCRD>
- **JUAN DE LA CIERVA-INCORPORACIÓN 2019:**
<http://www.ciencia.gob.es/portal/site/MICINN/menuitem.dbc68b34d11ccb5d52ffeb801432ea0/?vgnextoid=974262ecfa1de610VgnVCM1000001d04140aRCRD&vgnnextchannel=deef865dd69b2610VgnVCM1000001d04140aRCRD>



Interested applicants please submit CV_N and 2 reference letters before 10 January 2019 to: Miguel Angel Ramírez (ramirez@inia.es) or Esther Blanco (blanco@inia.es)